

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3574	((62/222,226,227) or (236/92B,92R) or (251/129.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/12/20 16:26
L2	579	L1 and (expansion adj valve)	US-PGPUB; USPAT	OR	ON	2006/12/20 16:26
L3	0	L2 and @PD>"20060701" and (flow with guide)	US-PGPUB; USPAT	OR	ON	2006/12/20 16:26
L4	10	(valve and guid\$3 and drill and ((right adj angle) or perpendicular)).clm.	US-PGPUB	OR	ON	2006/12/20 16:27
S1	1	("20040163399").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/21 16:57
S2	1	JP-2001241808\$.did.	EPO; JPO	OR	ON	2006/01/19 14:18
S3	16	(expansion adj valve).ti. and (guide with flow)	EPO; JPO; DERWENT	OR	ON	2006/01/19 14:38
S4	5	(expansion adj valve).ti. and (guide near2 flow)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/19 14:29
S5	23	(expansion adj valve).ti. and (guide same flow)	EPO; JPO; DERWENT	OR	ON	2006/01/19 15:11
S6	7	S5 not S3	EPO; JPO; DERWENT	OR	ON	2006/01/19 14:40
S7	3432	((62/222,226,227) or (236/92B,92R) or (251/129.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/01/19 14:41
S8	553	S7 and (expansion adj valve)	US-PGPUB; USPAT	OR	ON	2006/01/19 14:41
S9	26	S8 and (flow with guide)	US-PGPUB; USPAT	OR	ON	2006/07/06 13:02
S10	5	S8 and (noise near reduct\$3)	US-PGPUB; USPAT	OR	ON	2006/01/19 14:58
S11	7	(expansion adj valve).ti. and (noise near reduct\$3)	EPO; JPO; DERWENT	OR	ON	2006/01/19 15:15
S12	4	(expansion adj valve).ti. and (channel with ((right adj angle) or perpendicular))	EPO; JPO; DERWENT	OR	ON	2006/01/19 15:16
S13	6	S8 and (channel with ((right adj angle) or perpendicular))	US-PGPUB; USPAT	OR	ON	2006/07/06 12:58
S14	83	S8 and ((right adj angle) or perpendicular) and (expansion adj valve)	US-PGPUB; USPAT	OR	ON	2006/01/19 15:45
S15	41	S8 and ((right adj angle) or perpendicular) and (expansion adj valve).ti.	US-PGPUB; USPAT	OR	ON	2006/01/19 15:45
S16	0	"JP-08159617-\$.did."	JPO; DERWENT	OR	ON	2006/01/19 16:07
S17	0	"JP-08159617\$.did."	JPO; DERWENT	OR	ON	2006/01/19 16:07
S18	0	"JP-08159617\$.did."	JPO; DERWENT	OR	ON	2006/01/19 16:08
S19	0	"JP-080159617\$.did."	JPO; DERWENT	OR	ON	2006/01/19 16:08
S20	767	kim.in. and valve and guide\$2	US-PGPUB; USPAT	OR	ON	2006/07/06 12:57
S21	179	S20 and (flow with guid\$3)	US-PGPUB; USPAT	OR	ON	2006/07/06 12:58
S22	23	S21 and ((right adj angle) or perpendicular)	US-PGPUB; USPAT	OR	ON	2006/07/06 13:04

## EAST Search History

S23	1	S21 and (drill with end)	US-PGPUB; USPAT	OR	ON	2006/07/06 13:02
S24	3507	((62/222,226,227) or (236/92B,92R) or (251/129.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/06 13:02
S25	566	S24 and (expansion adj valve)	US-PGPUB; USPAT	OR	ON	2006/07/06 13:02
S26	5	S25 and @PD>"20060101" and (flow with guide)	US-PGPUB; USPAT	OR	ON	2006/12/20 16:26
S27	17	valve and (drill with end) and ((right adj angle) or perpendicular)	EPO; JPO; DERWENT	OR	ON	2006/07/06 13:11
S28	9	valve.ti. and (drill with end) and ((right adj angle) or perpendicular)	EPO; JPO; DERWENT	OR	ON	2006/07/06 13:12
S29	1	hirota.in. and valve.ti. and (drill with end) and ((right adj angle) or perpendicular)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/06 13:19
S30	159	valve.ti. and (drill with end) and ((right adj angle) or perpendicular)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/06 13:25
S31	72	S30 and guid\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/06 13:20
S32	9	(valve and guid\$3 and drill and ((right adj angle) or perpendicular)).clm.	US-PGPUB	OR	ON	2006/12/20 16:27
S33	82	valve and (flow near guide)	JPO	OR	ON	2006/07/21 17:00
S34	3	S33 and (perpendicular or (right adj angle))	JPO	OR	ON	2006/07/21 16:59
S35	104	valve.ab. and (flow near guide) and (perpendicular or (right adj angle))	USPAT	OR	ON	2006/07/21 17:09
S36	26	S35 and valve.ti.	USPAT	OR	ON	2006/07/21 17:05
S37	11	S35 and (incline\$2 with guide)	USPAT	OR	ON	2006/07/21 17:06
S38	14	valve and (flow near guide) and (flow same (perpendicular or (right adj angle))) and (incline\$2 with guide)	USPAT	OR	ON	2006/07/21 17:10